

					40		60
SYHLDTTAPP	PTNLSTLPNN	TLFHVWRPRA	HILPAEQIG	DPCAHYTDPS	TGLFHVGFH		
TYP SIDYNSA	PPNLSTLANN	SLFETWRPRA	HVLPPQNQIG	DPCMHYTDPE	TGIFHVGWLY		
FHTPIDYNSA	PPNLSTLANA	SLFKTWRPRA	HLLPPSGNIG	DPCGHYTDPK	TGLFHVGFH		
62							120
DSGDIAGATT	ANLATYTDTS	DNGSFLIQPG	GKNDPVAVFD	GAVIPVGVNN	TPTLLYTSVS		
NGNGASGATT	EDLVTYQDLN	PDGAQMILPG	GVNDPIAVFD	GAVIPSGIDG	KPTMMYTSVS		
SG--ISGATT	DDLVTYKDLN	PDGAPSIVAG	GKNDPLSVFD	GSVIPSGIDG	MPTLLYTSVS		
122	128			165	170		180
FLPIHWSIPY	TRGSETQSLA	VARDGGRRFD	KLDQGPVIAD	HPFAMDVTAF	RDPFVFRSAK		
YMPISWAIAY	TRGSETHSLA	VSSDGGKNFT	KLVQGPVIPS	PPFGANVTSW	RDPFLFQNPQ		
YLPIHWSIPY	TRGSETQSLA	VSYDGGHFT	KLNQGPVIPT	PPFALNVTAF	RDPYVFQSPI		
				221			240
LDVLLSLDEE	VARNETAVQQ	AVDGWTEKNA	PWYVAVSGGV	HGVGPAQFLY	RQNGGNASEF		
FDSLLE----	-----	-----SENG	TWYTVISGGI	HGDGPSAFLY	RQHD---PDF		
LDKSVN----	-----	-----STQG	TWYVAISGGV	HGVGPCQFLY	RQND---ADF		
							300
QYWEYLGEWW	QEATNSSWGD	EGTWAGRWGF	NFETGNVLFL	TEEGHDPQTG	EVFVTLGTEG		
QYWEYLGWWW	NEEGNSTWGS	-GDWAGRWGY	NFEVINIVGL	DDGYNP-DG	EIFATVGTEW		
QYWEYLGQWW	KEPLNTTWGK	-GDWAGGWGF	NFEVGNVFSL	NAEGYSE-DG	EIFITLGAEG		
	313						360
SGLPIVPQVS	SIHMLWAAG	EVGVGSEQEG	AKVEFSPSMA	GFLDWGFSAY	AAAGKVLPAS		
SFDPIKPQAS	DNREMLWAAG	NMTL----ED	GDIKFTPSMA	GYLDWGLSAY	AAAGKELPAS		
SGLPIVPQVS	SIHMLWVTG	NVTN-----D	GSVTFKPTMA	GVLDWGV SAY	AAAGKILPAS		

FIG. 1

	379	381	386	395		420
SAVSKTSGVE	VDRYVSFVWL	TGDQYEQADG	FPTAQQGWG	SLLLPRELKV	QTVENVVDNE	
SKPS-QKSGA	PDRFVSYLWL	TGDYFEGHD-	FPTPOONWTG	SLLLPRELSV	GTIPNVVDNE	
SQAS-TKSGA	PDRFISYVWL	TGDLFEQVKG	FPTAQQONWTG	ALLPREINV	RTISNVVDNE	
						480
LVREEGVSWV	VGESDNQTAR	LRTLGITIAR	ETKAALLANG	SVTAEEDRTL	QTAAVVPFAQ	
LARETG-SWR	VGTDNTGVLE	LVTLKQEIAR	ETLAEMTSGN	SFT-EASRNV	SSPGSTAFQQ	
LSRESLTSWR	VAREDSGQID	LETMGISISR	ETYSALTSGS	SFV-ESGKTL	SNAGAVPFNT	
						540
SPSSKFFVLT	AQLEFPASAR	SSPLQSGFEI	LASELERTAI	YYQFSNESLV	VDRSQTSAAA	
SLDSKFFVLT	ASLSFPSSAR	DSDLKAGFEI	LSSEFESTTV	YYQFSNESII	IDRSNSSAAA	
SPSSKFFVLT	ANISFPTSAR	DSGIQAGFQV	LSSSLESTTI	YYQFSNESII	VDRSNTSAAA	
	550					600
PTNPGLDSFT	ESGKLRLFDV	IENGQEQVET	LDLTVVVDNA	VVEVYANGRF	ALSTWARSWY	
LTTDGIDTRN	EFGKMRLFDV	VEGDQERIET	LDLTIVVDNS	IVEVHANGRF	ALSTWVRSWY	
RTTAGILSDN	EAGRLRLFDV	LRNGKEQVET	LELTIVVDNS	VLEVYANGRF	ALGTWARSWY	
DNSTQIRFFH	NGEGEVQFRN	VSVSEGLYNA	WPERN*			
ESSKDIKFFH	DGDSTVQFSN	ITVYEGLFDA	WPERAR*			
ANSTKINFFH	NGVGEATFED	VTVFEGLYDA	WPQRK*			

FIG. 2